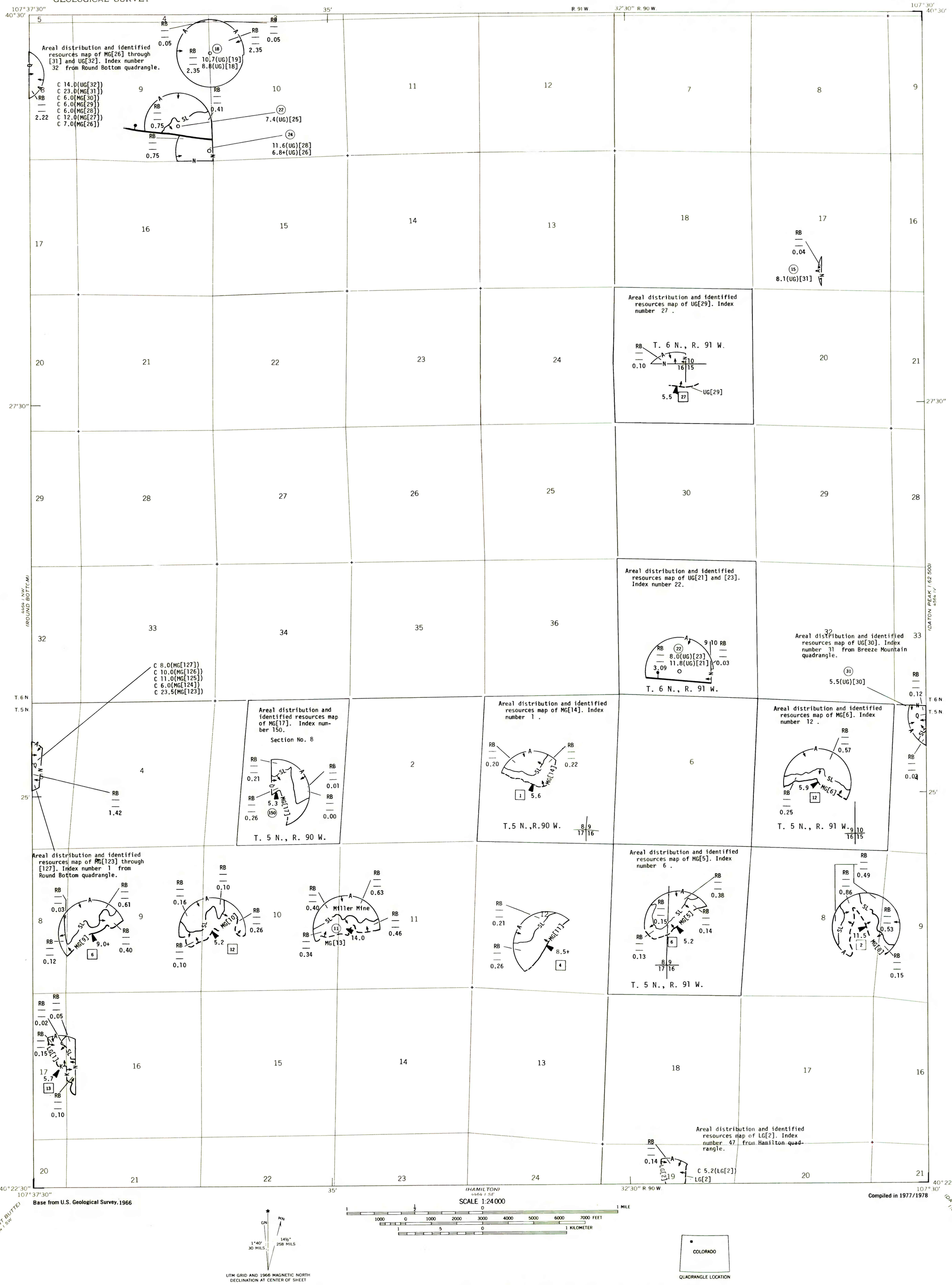
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

CASTOR GULCH QUADRANGLE
COLORADO – MOFFAT CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
NE/4 MONUMENT BUTTE 15' QUADRANGLE

OPEN FILE REPORT 79-820

PLATE 10 OF 12



Base from U.S. Geological Survey, 1966

Compiled in 1977/1978

SCALE 1:24000

1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 KILOMETER

GN MN
1°40' 30 MILS
14½° 258 MILS
UTM GRID AND 1966 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

COLORADO
QUADRANGLE LOCATION

EXPLANATION

? (22) 7.4 UG[25]

DRILL HOLE - Showing thickness of coal, in feet. Index number refers to hole on plate 1 of CRO map or in table of text. Letters designate name of coal bed as listed below. Bracketed number identifies coal bed named on plates 1 or 3.

5.2 [12]

POINT OF MEASUREMENT - Showing thickness of coal, in feet. Includes all points of measurement other than drill holes. Index number refers to measurement on plate 1 of CRO map or in table of text. Letters designate name of coal bed as listed below. Bracketed number identifies coal bed named on plates 1 or 3.

UG - Upper Coal Group
UGN - Upper Coal Group, zone N
MG - Middle Coal Group
MGG - Middle Coal Group, zone G
MGF - Middle Coal Group, zone F
LG - Lower Coal Group

COAL BED SYMBOLS AND NAMES - Coal beds identified by bracketed numbers are not formally named, but are numbered for identification purposes in this quadrangle only.

MG[9]

TRACE OF COAL BED OUTCROP - Showing symbol of name of coal bed as listed above. Arrow points toward coal-bearing area. Dashed where inferred; short dashed where inferred by present authors.

TRACE OF FAULT - Bar and ball on downthrown side when direction of movement is known.

SL

STRIPPING-LIMIT LINE - Boundary for surface mining (in this quadrangle, the 200-foot overburden isopach). Arrow points toward the area suitable for surface mining.

A

BOUNDARY OF IDENTIFIED RESERVE BASE COAL - Drawn along the coal bed outcrop where the coal is 5 feet or more thick, the 5-foot coal isopach, an arc (A) drawn 0.25 miles from the nearest point of Reserve Base coal bed measurement, the KRCRA boundary (K), the quadrangle boundary (Q), and the non-Federal coal ownership boundary (N). Arrow points toward area of identified Reserve Base coal.

RB
— (Measured)
— (Indicated)
0.15 (Inferred)

IDENTIFIED COAL RESOURCES - Showing totals for Reserve Base (RB), in millions of short tons, for each section or part(s) of section of non-leased Federal coal land, either within or beyond the stripping-limit. Dash indicates no resources in that category.

To convert short tons to metric tons, multiply short tons by 0.9072.

To convert feet to meters, multiply feet by 0.3048.

SCALE - 1:24,000 (1 inch = 2,000 feet)

This report has not been edited for conformity with U.S. Geological Survey editorial standards or stratigraphic nomenclature.

COAL RESOURCE OCCURRENCE MAP OF THE CASTOR GULCH QUADRANGLE, MOFFAT COUNTY, COLORADO

BY

DAMES & MOORE

1979

PLATE 10

AREAL DISTRIBUTION AND IDENTIFIED RESOURCES MAP OF NON-ISOPACHED COAL BEDS